

Abstract

A method and system for securely voting over a network, such as a global computer network, involves a system which delivers an electronic ballot from a server with the server's private key and a vote serial number on the ballot to an individual terminal connected to the network. The ballot may be filled in and a subset of the filled-in ballot is created with a digital signature created from the individual's secret key on the subset of the ballot corresponding to the ballot choices. The subset of the filled-in ballot together with the individual's electronic signature, and a vote serial number is then delivered to the server. A data element is then created to record a subset of the ballot in a data store at the server, in which the ballot vote information is retained as a vote.